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SUMMARY OF VITAL STATISTICS

DEPARTMENT OF HEALTH, CITY OF NEW YORK

BUREAU OF RECORDS AND STATISTICS—STATISTICAL DIVISION

Population, Births, Marriages, Deaths and Infant Mortality, 1898-1946

Year	Estimated Population July 1	Live Births* Total Reported	Live Births* Rate per 1,000	Marriages Total Reported	Marriages Rate Per 1,000	Deaths Total Reported	Deaths Rate per 1,000	Fetal Deaths Total Reported	Fetal Deaths Ratio to 1,000 Live Births	Infant Mortality Deaths Under One Year	Infant Mortality Rate per 1,000 Live Births
1898	3,272,000	119,000	36.4	28,885	8.8	66,294	20.3	5,638	47.4	16,770	140.9
1899	3,357,000	116,000	34.6	30,474	9.1	65,343	19.5	5,463	47.1	15,381	132.6
1900	3,446,000	123,000	35.7	32,247	9.4	70,872	20.6	5,815	47.3	16,640	135.3
1901	3,554,000	122,000	34.3	33,447	9.4	70,720	19.9	5,750	47.1	15,467	126.8
1902	3,666,000	127,000	34.6	36,207	9.9	68,085	18.6	6,011	47.3	15,526	122.3
1903	3,781,000	129,000	34.1	38,174	10.1	67,864	17.9	6,078	47.1	14,413	111.7
1904	3,901,000	133,000	34.1	39,436	10.1	78,060	20.0	6,288	47.3	16,125	121.2
1905	4,026,000	135,000	33.5	42,675	10.6	73,714	18.3	6,352	47.1	16,522	122.4
1906	4,167,000	141,000	33.8	48,355	11.6	76,203	18.3	6,646	47.1	17,188	121.9
1907	4,314,000	149,000	34.5	51,097	11.8	79,205	18.4	7,351	49.3	17,437	117.0
1908	4,469,000	146,000	32.7	37,449	8.4	73,072	16.3	7,191	49.3	16,231	111.2
1909	4,632,000	142,000	30.7	41,513	9.0	74,105	16.0	6,697	47.2	15,976	112.5
1910	4,785,000	143,000	29.9	46,417	9.7	76,742	16.0	6,751	47.2	16,215	113.4
1911	4,873,000	141,000	28.9	48,765	10.0	75,423	15.5	6,673	47.3	15,053	106.8
1912	4,961,000	140,000	28.2	51,703	10.4	73,008	14.7	6,619	47.3	14,289	102.1
1913	5,049,000	140,000	27.7	51,268	10.2	73,902	14.6	6,629	47.4	13,780	98.4
1914	5,137,000	140,647	27.4	53,051	10.3	74,803	14.6	6,617	47.0	13,312	94.6
1915	5,225,000	141,256	27.0	50,997	9.8	76,193	14.6	6,413	45.4	13,866	98.2
1916	5,312,000	137,664	25.9	54,782	10.3	77,801	14.6	6,253	45.4	12,818	93.1
1917	5,400,000	141,564	26.2	59,210	11.0	78,575	14.6	6,117	43.2	12,568	88.8
1918	5,488,000	138,046	25.2	56,733	10.3	98,119	17.9	6,793	49.2	12,657	91.7
1919	5,576,000	130,377	23.4	60,256	10.8	74,433	13.3	5,984	45.9	10,639	81.6
1920	5,684,000	132,856	23.4	64,422	11.3	73,249	12.9	6,234	46.9	11,340	85.4
1921	5,812,000	134,241	23.1	60,846	10.5	64,257	11.1	6,297	46.9	9,548	71.1
1922	5,939,000	129,684	21.8	58,192	9.8	69,690	11.7	6,125	47.2	9,666	74.5
1923	6,067,000	129,160	21.3	66,430	10.9	69,452	11.4	6,023	46.6	8,578	66.4
1924	6,195,000	130,436	21.1	62,254	10.0	71,252	11.5	6,448	49.4	8,820	67.6
1925	6,323,000	128,790	20.4	64,826	10.3	71,864	11.4	6,134	47.6	8,315	64.6
1926	6,451,000	125,515	19.5	68,417	10.6	76,082	11.8	6,054	48.2	8,509	67.8
1927	6,579,000	128,889	19.6	66,431	10.1	70,430	10.7	5,895	45.7	7,210	55.9
1928	6,707,000	126,332	18.8	62,424	9.3	78,091	11.6	6,121	48.5	8,280	65.5
1929	6,835,000	124,404	18.2	65,780	9.6	77,482	11.3	5,726	46.0	7,281	58.5
1930	6,944,000	122,811	17.7	63,337	9.1	74,888	10.8	5,700	46.4	7,030	57.2
1931	6,996,000	115,621	16.5	61,574	8.8	77,418	11.1	5,579	48.3	6,427	55.6
1932	7,048,000	109,878	15.6	58,957	8.4	74,319	10.5	5,396	49.1	5,594	50.9
1933	7,101,000	103,500	14.6	60,116	8.5	75,153	10.6	5,347	51.7	5,508	53.2
1934	7,153,000	101,239	14.2	67,347	9.4	75,857	10.6	5,070	50.1	5,287	52.2
1935	7,206,000	100,657	14.0	68,372	9.5	75,057	10.4	4,902	48.7	4,790	47.6
1936	7,258,000	98,507	13.6	72,234	10.0	77,638	10.7	4,992	50.7	4,490	45.6
1937	7,311,000	101,988	13.9	69,417	9.5	77,465	10.6	4,847	47.5	4,457	43.7
1938	7,363,000	102,045	13.9	63,493	8.6	73,775	10.0	4,995	48.9	3,910	38.3
1939	7,416,000	102,261	13.8	62,288	8.4	75,439	10.2	6,831#	66.8#	3,793	37.1
1940	7,468,000	107,287	14.4	78,487	10.5	76,008	10.2	7,986	74.4	3,746	34.9
1941	7,521,000	114,367	15.2	83,012	11.0	74,553	9.9	8,974	78.5	3,519	30.8
1942	7,573,000	131,989	17.4	81,454	10.8	75,674	10.0	10,013	75.9	3,805	28.8
1943	7,625,000	134,520	17.6	76,059	10.0	83,174	10.9	9,508	70.7	4,069	30.2
1944	7,678,000	122,748	16.0	67,315	8.8	78,783	10.3	9,987	81.4	3,829	31.2
1945	7,730,000	128,853	16.7	72,589	9.4	79,726	10.3	10,367	80.5	3,918	30.4
1946	7,783,000	152,736	19.6	104,548	13.4	78,481	10.1	12,980	85.0	4,239	27.8

* 1898-1913 birth figures are estimated, as the number actually reported was undoubtedly incomplete.
\# Increase due to improved reporting of fetal deaths under 20 weeks gestation.

Births, Deaths, Maternal Deaths and Fetal Deaths, by Borough of Report, 1946

Borough	Estimated Population July 1	Live Births	Deaths	Fetal Deaths	Maternal Deaths Number	Maternal Deaths Rate per 10,000 Live Births	Maternal Deaths Rate per 10,000 Total Births*
Manhattan	1,904,000	46,554	27,793	4,231	63	13.5	12.4
The Bronx	1,476,000	22,020	12,458	2,420	34	15.4	13.9
Brooklyn	2,784,000	60,015	25,140	4,544	57	9.5	8.8
Queens	1,434,000	20,218	10,573	1,592	21	10.4	9.6
Richmond	185,000	3,929	2,517	193	4	10.2	9.7
City of New York	7,783,000	152,736	78,481	12,980	179	11.7	10.8

* Live births and fetal deaths.

Recorded Births, Fetal Deaths, and Deaths by Borough of Residence
City of New York, 1946

	Total Recorded In New York City	Known Residents By Borough of Residence					Known Non-Residents of City	Permanent Res. Unknown
		Manhattan	Bronx	B'klyn	Queens	Rich'd		
Live births	152,736	29,815	27,770	56,549	28,691	3,777	5,740	394
Rate per 1,000 population	19.6	15.7	18.8	20.3	20.0	20.4		
Fetal deaths (stillbirths)*	12,980	2,936	2,729	4,400	2,093	192	543	87
Rate per 1,000 live births	85.0	98.5	98.3	77.8	72.9	50.8		
Deaths under one year	4,239	1,009	716	1,553	683	85	156	37
Rate per 1,000 live births	27.8	33.8	25.8	27.5	23.8	22.5		
Deaths under one month	3,279	776	561	1,187	538	69	117	31
Rate per 1,000 live births	21.5	26.0	20.2	21.0	18.8	18.3		
Deaths from all causes	78,481	22,104	12,642	25,843	12,458	1,758	2,976	700
Death rate per 1,000 population	10.1	11.6	8.6	9.3	8.7	9.5		
1. Typhoid and paratyphoid fevers	8	3	1	2	1	1	.....	.....
2. Plague	.....	.....	.....	.....	.....	.....	.....	.....
3. Scarlet fever	2	1	.....	1	.....	.....	.....	.....
4. Whooping cough	12	2	1	5	3	.....	1	.....
5. Diphtheria	18	3	.....	9	3	.....	3	.....
6. Pulmonary tuberculosis	2,997	1,221	387	827	331	42	93	96
7. Other tuberculosis	248	109	39	51	24	1	22	2
8. Malaria	2	.....	.....	1	1	.....	.....	.....
9. Syphilis	616	296	76	121	74	8	23	18
10. Influenza	65	22	10	24	6	.....	2	1
11. Smallpox	.....	.....	.....	.....	.....	.....	.....	.....
12. Measles	23	6	5	9	2	1	.....	.....
13. Typhus fever	2	1	.....	1	.....	.....	.....	.....
14. Other infectious diseases	413	106	64	120	58	10	55	.....
(a) Meningococcus meningitis	59	20	11	15	9	1	3	.....
(b) Acute poliomyelitis	37	8	7	11	4	1	6	.....
(c) Epidemic encephalitis	73	22	16	17	10	2	6	.....
15. Cancer	14,067	3,690	2,351	4,445	2,350	283	907	41
16. Non-malignant tumors	359	85	72	102	42	5	52	1
17. Chronic rheumatism, gout	40	6	13	16	2	2	1	.....
18. Diabetes	3,051	704	596	1,170	458	62	56	5
19. Alcoholism	297	120	18	88	30	3	16	22
20. Avitaminoses, other general diseases and chronic poisonings	905	228	142	285	143	28	17	2
21. Simple meningitis and spinal cord diseases	212	76	28	62	27	5	13	1
22. Intracranial lesions of vascular origin	3,596	934	628	1,229	591	101	94	19
23. Other diseases of the nervous system and sense organs	394	104	71	112	74	10	22	1
24. Diseases of the heart	30,348	8,219	4,978	10,578	5,037	705	660	171
25. Other diseases of the circulatory system	1,294	392	167	478	178	29	42	8
26. Bronchitis	126	42	23	41	16	1	3	.....
27. The pneumonias	2,936	891	480	978	387	76	75	49
(a) Bronchopneumonia	1,547	419	268	574	193	44	34	15
(b) Lobar pneumonia	1,384	469	212	403	193	32	41	34
28. Other respiratory diseases (except tuberculosis)	313	91	52	91	53	7	14	5
29. Diarrhea and enteritis	272	63	55	92	34	4	23	1
(a) Diarrhea and enteritis under 2 years	199	50	37	76	22	.....	13	1
30. Appendicitis	291	68	42	90	66	10	15	.....
31. Diseases of the liver and biliary passages	1,608	491	241	446	286	38	96	10
32. Other digestive diseases	1,432	392	231	490	220	33	59	7
33. Nephritis, all forms	2,686	725	422	859	514	81	75	10
34. Other diseases of urinary and genital systems	736	214	119	230	120	17	30	6
35. Puerperal infection	60	18	17	16	7	.....	2	.....
36. Other puerperal causes	119	29	23	36	20	3	8	.....
37. Diseases of the skin and bones	94	18	19	35	12	3	7	.....
38. Diseases of early infancy	3,513	836	583	1,269	591	74	146	14
39. Old age	16	6	.....	3	1	5	1	.....
40. Suicide	956	308	120	245	205	21	46	11
41. Homicide	374	177	41	85	21	4	19	27
42. Motor vehicle accidents	704	227	89	198	103	21	50	16
43. Other accidents**	3,252	1,174	438	892	363	64	166	155
44. Causes not known or ill-defined	24	6	.....	11	4	.....	2	1

Numbers at left are those of Abridged International List, 1938 revision.
*Stillbirths and reported abortions. **Includes deaths of 3 military personnel and 1 civilian due to operations of war.

Population in 1940 and Deaths in 1946, City of New York

Age	1940 Population by Age, Color and Sex						Deaths in 1946 by Age, Color and Sex					
	White		Negro		Other		White		Negro		Other	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
All ages	3,455,003	3,522,498	205,727	252,717	15,563	3,487	39,640	32,065	3,306	3,194	257	19
Under 5	206,210	197,029	14,706	14,985	499	465	2,324	1,755	440	371	8	4
5-9	221,887	214,597	16,442	16,692	469	469	159	105	22	27	1	1
10-14	265,679	258,741	17,294	18,554	480	360	115	88	32	16	1	.....
15-19	284,588	286,824	15,574	19,104	555	297	201	155	62	72	1	.....
20-24	289,049	318,135	15,251	25,848	562	308	317	256	125	134	4	4
25-29	301,328	343,262	20,008	30,970	1,222	363	385	356	148	150	9	1
30-34	308,050	329,637	21,924	29,256	1,808	352	570	495	182	174	6	1
35-39	304,806	309,413	23,418	28,768	2,726	290	961	771	236	221	7	1
40-44	294,594	289,524	20,299	21,490	2,578	229	1,588	1,075	289	244	23	.....
45-49	266,165	252,262	14,802	15,579	1,802	133	2,481	1,547	331	280	27	2
50-54	231,787	212,383	10,251	11,217	1,283	99	3,852	2,197	351	283	46	1
55-59	170,782	161,083	6,675	7,576	705	50	4,712	2,692	278	274	39	.....
60-64	127,865	130,296	4,311	4,974	492	36	5,292	3,438	260	267	29	1
65-69	86,370	97,299	2,676	3,845	229	20	5,194	4,123	236	208	30	2
70-74	53,153	64,217	1,219	1,978	102	6	4,757	4,483	141	202	11	.....
75 and over	42,690	57,796	877	1,881	51	10	6,732	8,529	173	271	15	1

Cases of Reportable Infectious Diseases, City of New York, 1900-1946

Year	Pulmonary Tuberculosis	Diphtheria	Measles	Scarlet Fever	Chickenpox	Typhoid Fevers	Whooping Cough	Meningococcus Meningitis	Poliomyelitis	Syphilis	Gonorrhea	Influenza	Pneumonia	Epidemic Encephalitis
1900	11,997	12,913	19,298	6,683	1,226	2,658	174	7						
1901	13,703	12,329	11,990	16,692	2,437	2,748	113	13						
1902	12,914	15,319	20,251	11,894	3,269	3,871	313	10						
1903	15,214	18,317	13,689	10,887	4,181	3,671	1,066	20						
1904	18,723	18,158	32,861	13,495	4,263	3,412	1,016	482						
1905	20,831	13,686	19,026	8,071	5,473	4,326	2,637	2,755						
1906	20,085	14,757	38,653	7,881	4,667	3,467	2,177	1,032						
1907	19,725	15,276	16,637	15,788	4,308	4,426	1,920	828						
1908	23,325	16,431	38,276	24,426	5,928	3,058	1,182	380						
1909	25,667	15,097	31,950	12,475	6,765	3,499	2,752	346						
1910	32,065	16,940	35,374	18,924	5,534	3,582	2,018	242						
1911	24,513	13,485	25,540	15,794	6,758	3,450	3,210	266	358					
1912	22,752	13,533	39,018	12,716	7,649	3,076	2,132	250	504					
1913	22,674	14,845	29,350	10,739	6,897	2,643	3,529	232	310	10,623	7,440			
1914	21,604	17,129	25,793	11,105	9,632	2,260	3,798	318	129	21,128	9,526			
1915	22,141	15,279	38,186	9,879	8,721	2,455	6,771	174	95	17,335	9,709			
1916	19,297	13,521	21,603	5,814	9,617	1,617	7,460	263	9,023	20,128	6,341			
1917	17,494	12,624	27,519	6,260	8,548	1,442	5,597	322	139	19,833	8,312			
1918	14,439	11,454	28,675	4,460	4,196	1,238	5,558	477	134	17,320	6,538			
1919	14,570	14,014	8,194	4,594	5,326	854	1,658	317	42	19,241	5,677	25,218	10,325	118
1920	14,035	14,166	35,083	6,537	5,534	969	7,530	244	154	19,440	4,535	69,824	25,983	573
1921	12,966	15,110	7,738	13,516	8,041	899	5,808	279	588	14,096	5,287	2,486	14,143	528
1922	13,329	10,427	40,569	10,269	5,738	790	4,799	218	224	13,199	5,599	21,042	19,121	611
1923	11,336	8,050	13,999	8,237	8,671	890	4,484	133	577	16,879	6,817	16,061	15,952	923
1924	11,924	9,687	33,561	8,399	8,260	1,687	8,244	156	344	16,402	6,137	1,753	18,594	465
1925	10,955	9,051	9,483	8,840	7,546	1,417	4,826	120	307	15,630	5,466	1,745	15,651	327
1926	10,498	7,531	39,750	7,968	6,757	913	3,487	170	111	17,700	4,728	5,911	22,661	297
1927	10,873	13,507	2,101	18,339	9,444	762	6,052	177	537	24,324	7,006	2,048	18,273	232
1928	11,614	10,776	35,008	10,586	7,082	688	5,876	1,102	572	25,034	7,431	2,878	21,079	193
1929	11,938	8,548	2,537	7,952	9,264	607	2,944	1,000	71	28,772	8,840	11,121	21,132	173
1930	11,821	3,794	23,635	7,592	7,901	552	4,538	503	78	32,219	9,737	1,010	17,081	100
1931	11,794	3,999	26,519	11,900	9,113	637	8,643	392	4,138	34,894	9,745	4,498	21,116	97
1932	10,589	3,581	10,354	21,093	8,862	598	7,126	207	143	42,315	11,640	3,418	17,835	57
1933	9,991	1,891	36,216	8,262	11,966	588	6,009	114	831	42,242	11,164	2,617	16,972	86
1934	9,990	1,593	5,015	8,820	12,177	378	8,764	102	73	46,276	10,953	899	14,489	51
1935	8,796	1,189	28,490	14,602	10,866	349	8,703	529	2,054	47,659	11,069	622	13,185	69
1936	8,987	1,124	36,548	11,417	8,324	334	4,461	538	34	68,969	14,445	1,396	15,786	37
1937	9,128	1,184	12,091	10,058	12,723	299	4,653	228	243	88,101	17,872	4,181	16,393	55
1938	8,748	700	34,604	8,419	11,112	312	12,232	112	43	37,077*	12,935	447	12,969	38
1939	8,277	543	3,653	6,121	9,103	198	5,821	71	184	32,874	12,810	1,546	16,875	62
1940	8,212	386	10,496	13,569	13,046	171	5,775	48	67	30,718	14,639	791	13,808	28
1941	8,459	362	79,646	7,206	9,773	183	7,811	118	404	27,194	12,297	2,677	10,707	49
1942	9,145	392	2,261	7,009	10,978	119	9,240	411	88	30,036	12,022	441	10,130	52
1943	8,283	274	23,627	9,484	9,290	123	3,678	1,406	361	25,878	12,957	1,387	7,663	37
1944	7,229	232	26,048	8,509	8,441	122	2,810	1,104	1,890	23,069	14,489	266	5,981	37
1945	6,232	254	1,870	8,347	7,905	118	4,992	487	547	22,690	18,009	334	5,830	34
1946	6,386	366	22,408	8,009	6,586	110	2,135	246	716	26,765	24,350	394	3,930	38

* Figures prior to 1938 were based on positive laboratory findings and included much duplication. Beginning with 1938 duplicates have, as far as possible, been omitted.

Age Specific Death Rates, Per 1,000 Population
City of New York, 1900-1940

Age	1901-'02-'03		1909-'10-'11		1919-'20*		1929-'30-'31		1939-'40-'41	
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
0-4	60.3	52.6	50.2	43.2	32.4	26.5	19.4	15.4	11.3	8.8
5-9	5.8	5.2	4.2	3.9	3.8	3.1	2.5	2.0	1.0	0.8
10-14	2.8	2.8	2.4	2.3	2.4	2.2	1.7	1.3	0.9	0.7
15-19	4.8	4.1	3.9	3.1	4.0	3.7	2.6	2.2	1.3	1.1
20-24	7.3	6.0	5.3	4.6	5.8	5.4	3.4	3.2	1.7	1.6
25-29	9.5	8.2	6.9	5.9	6.5	6.9	3.8	3.4	2.2	2.0
30-34	12.6	9.8	9.6	7.6	7.7	7.0	5.1	4.1	3.1	2.4
35-39	15.1	11.6	13.0	9.3	9.2	7.3	7.0	5.0	4.5	3.2
40-44	19.0	13.2	16.5	11.2	10.9	9.0	10.1	6.9	7.0	4.8
45-49	22.0	15.0	20.8	14.3	15.2	12.1	14.8	10.5	11.2	7.4
50-54	29.2	22.8	26.5	19.1	20.6	16.3	22.0	15.0	17.2	11.5
55-59	38.8	31.4	37.0	28.8	30.1	24.8	32.0	23.4	25.9	17.5
60-64	51.4	43.8	51.4	44.1	40.8	33.8	44.7	35.3	37.9	26.8
65-69	69.9	60.5	68.5	58.9	60.1	55.0	62.0	50.2	55.0	40.8
70-74	95.8	85.2	89.6	81.2	85.1	79.5	84.3	73.3	78.9	62.5
75-79	141.0	119.3	127.3	114.4	116.2	107.6	120.7	109.2	111.4	93.3
80-84	175.9	157.9	167.4	159.6	162.6	143.6	170.9	151.2	149.8	141.5
85 & Over	252.3	223.0	257.4	232.3	224.8	210.2	242.8	227.5	230.5	222.2

* As Census date is the midpoint of the period presented, only two years are used for 1919-'20 calculation, the Census having been made on Jan. 1, 1920.

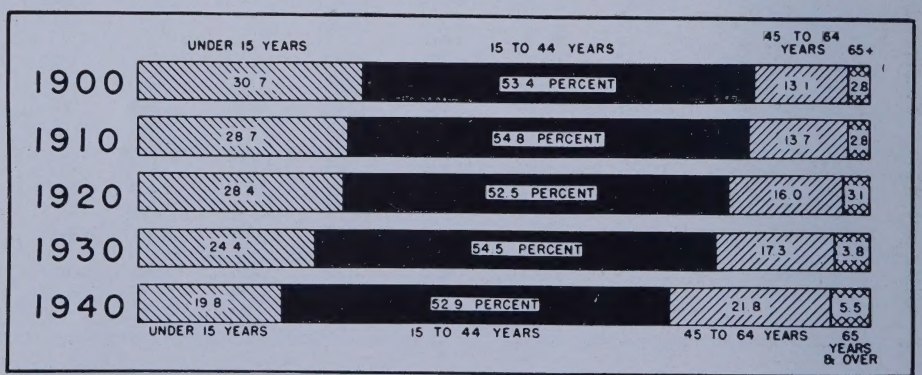
Standardized Death Rates* Per 100,000 Population
City of New York, 1900-1940

Cause of Death	Int. List Nos.	1901-'02-'03	1909-'10-'11	1919-'20	1929-'30-'31	1939-'40-'41
All causes		2,075.0	1,805.0	1,526.0	1,219.0	893.0
Pulmonary tuberculosis	(13)	204.3	172.2	126.6	63.6	40.0
Other forms tuberculosis	(14-22)	35.4	30.3	23.7	11.3	5.0
Influenza & pneumonia	(33, 107-109)	281.3	259.7	293.8	164.2	52.8
Cancer	(45-55)	83.2	94.8	101.7	116.7	125.1
Diabetes	(61)	16.6	19.3	19.9	26.3	31.2
Appendicitis	(121)	12.3	13.1	13.4	16.1	8.8
Nephritis	(130-132)	182.7	142.9	107.5	47.4	37.9
Diseases of circulatory system	(90-103)	193.6	299.0	325.6	376.2	303.0
Total degenerative diseases	(83a, 90-103,) (130-132)	469.6	467.5	450.4	433.1	370.5
Total accidents	(169-195)	94.2	82.1	70.5	71.7	47.0
Auto accidents	(170)	†	†	15.1	20.5	11.1
Other accidents	(169, 171-195)	†	†	55.5	51.1	35.8

* For 1901-'02-'03 and 1909-'10-'11, rates are standardized for age and sex; for 1919-'20, 1929-'30-'31 and 1939-'40-'41 rates are standardized for age, sex and color. Standard is the population of England and Wales in 1901. Rates were adjusted for sex and color according to the distribution of the population of states of the Death Registration Area of the United States in 1920.

† Data not available for 1901-1911.

New York City's Aging Population



Chief Causes of Death in Certain Age Groups*
City of New York, 1946

Males			Females	
Number of Deaths	Per Cent of Total		Number of Deaths	Per Cent of Total
		UNDER ONE YEAR		
998	42	Premature Birth	768	42
360	15	Congenital Malformations	343	19
271	11	Injury at Birth	186	10
225	10	Pneumonia and Influenza	197	10
270	11	Other Diseases of Early Infancy	143	8
101	4	Diarrhea	90	5
48	2	Accidents	35	2
128	5	All Other Causes	76	4
2,401	100	Total	1,838	100
		1 TO 14 YEARS		
209	30	Accidents	80	15
68	10	Pneumonia and Influenza	78	15
53	7	Contagious Diseases**	46	9
43	6	Congenital Malformations	43	8
46	6	Tuberculosis	40	7
40	6	Leukemias and Aleukemias	31	6
40	6	Cancer	28	5
22	3	Heart Diseases	30	6
180	26	All Other Causes	153	29
701	100	Total	529	100
		15 TO 24 YEARS		
118	17	Tuberculosis	195	31
139	20	Accidents	49	8
72	10	Heart Diseases	75	12
81	11	Cancer	21	3
62	9	Homicide	16	3
29	4	Nephritis	35	6
25	3	Pneumonia and Influenza	26	4
.....	.....	Puerperal Diseases	48	8
184	26	All Other Causes	156	25
710	100	Total	621	100
		25 TO 44 YEARS		
1,010	23	Heart Diseases	605	17
480	11	Cancer	758	22
663	15	Tuberculosis	476	14
541	12	Accidents	178	5
203	4	Suicide	138	4
167	4	Nephritis	161	4
172	4	Pneumonia and Influenza	132	4
129	3	Cirrhosis of the Liver	105	3
84	2	Intracranial Lesions of Vascular Origin	96	3
.....	.....	Puerperal Diseases	131	4
955	22	All Other Causes	709	20
4,404	100	Total	3,489	100
		45 TO 64 YEARS		
7,283	41	Heart Diseases	3,746	34
3,523	20	Cancer	3,120	29
1,087	6	Tuberculosis	202	2
438	2	Diabetes	827	8
604	4	Intracranial Lesions of Vascular Origin	652	6
940	5	Accidents	269	2
472	3	Nephritis	422	4
600	3	Pneumonia and Influenza	272	2
2,751	16	All Other Causes	1,472	13
17,698	100	Total	10,982	100
		65 AND OVER		
8,468	49	Heart Diseases	9,036	51
3,215	19	Cancer	2,795	16
905	5	Intracranial Lesions of Vascular Origin	1,229	7
524	3	Diabetes	1,142	6
720	4	Accidents	744	4
610	3	Nephritis	753	4
620	4	Pneumonia and Influenza	586	3
2,227	13	All Other Causes	1,534	9
17,289	100	Total	17,819	100

* Arranged in order of importance for both sexes combined.
** International List numbers 1-44, except tuberculosis, syphilis and influenza.

YEAR	1917	1918	1919	1920	1921	1922	1923	1924
Population	5,400,000	5,488,000	5,576,000	5,684,000	5,812,000	5,939,000	6,067,000	6,195,000
Total deaths	78,575	98,119	74,433	73,249	64,257	69,690	69,452	71,252
Death rate	1,455	1,788	1,335	1,289	1,106	1,173	1,145	1,150
Total deaths under 5 years	18,256	21,019	15,744	17,288	13,672	14,847	11,839	12,891
Rate on estim. pop. under 5 years	3,289	3,767	2,811	3,082	2,441	2,685	2,153	2,335
Deaths under 1 year of age	12,568	12,657	10,639	11,340	9,548	9,666	8,578	8,820
Rate per 1,000 live births	89	92	82	85	71	75	66	68
Measles (35)	560	790	218	736	165	977	245	506
Rate#	91.5	128.9	35.8	122.0	27.4	163.0	41.2	85.2
Whooping cough (9)	489	665	161	615	350	268	202	382
Rate#	79.9	108.5	26.4	101.9	58.2	44.7	34.0	64.3
Scarlet fever (8)	120	177	136	220	385	216	107	80
Rate#	7.8	11.3	8.6	13.7	23.7	13.2	6.5	4.8
Diphtheria (10)	1,158	1,245	1,239	1,045	891	873	553	714
Rate#	75.3	79.8	78.2	64.9	54.9	53.4	33.6	43.1
Typhoid fevers (1, 2)	229	196	121	137	123	129	140	184
Rate	4.2	3.6	2.2	2.4	2.1	2.2	2.3	3.0
Meningococcus meningitis (6)	187	262	171	123	147	110	77	104
Rate	3.5	4.8	3.1	2.2	2.5	1.9	1.3	1.7
Pulmonary tuberculosis (13)	8,825	8,779	7,395	6,165	5,143	5,033	4,951	4,780
Rate	163.4	160.0	132.6	108.5	88.5	84.7	81.6	77.2
Other forms tuberculosis (14-22)	1,317	1,318	1,103	970	779	769	722	801
Rate	24.4	24.0	19.8	17.1	13.4	12.9	11.9	12.9
Influenza (33)	657	12,562	4,834	3,492	384	869	1,158	549
Rate	12.2	228.9	86.7	61.4	6.6	14.6	19.1	8.9
Pneumonia (107-109)	11,051	20,628	10,977	10,058	6,477	8,794	8,231	9,152
Rate	204.6	375.9	196.9	177.0	111.5	148.1	135.7	147.7
Other respiratory (104-6; 110-14)	1,420	1,543	1,187	1,443	967	920	521	498
Rate	26.3	28.1	21.3	25.4	16.6	15.5	8.6	8.0
Cancer (45-55)	4,867	4,931	5,147	5,317	5,573	5,945	6,287	6,557
Rate	90.1	89.8	92.3	93.5	95.9	100.1	103.6	105.8
Diabetes (61)	1,153	1,011	955	1,075	1,120	1,448	1,360	1,177
Rate	21.4	18.4	17.1	18.9	19.3	24.4	22.4	19.0
Appendicitis (121)	668	584	690	792	824	883	887	946
Rate	12.4	10.6	12.4	13.9	14.2	14.9	14.6	15.3
Nephritis (130-2)	6,727	5,269	5,007	4,833	4,105	4,450	4,367	3,705
Rate	124.6	96.0	89.8	85.0	70.6	74.9	72.0	59.8
Diseases of circulatory sys. (90-103)	14,818	15,660	14,077	15,195	15,696	17,350	18,453	19,616
Rate	274.4	285.3	252.5	267.3	270.1	292.1	304.1	316.6
Cerebral hem., apoplexy (83a)	794	1,042	811	718	886	501	597	763
Rate	14.7	19.0	14.5	12.6	15.2	8.4	9.8	12.3
Total degenerative diseases†	22,339	21,971	19,895	20,746	20,687	22,301	23,417	24,084
Rate	413.7	400.3	356.8	365.0	356.0	375.5	386.0	388.7
Suicides (163, 164)	778	724	703	670	831	789	825	829
Rate	14.4	13.2	12.6	11.8	14.3	13.3	13.6	13.4
Homicides (165-168)	248	247	279	325	303	337	308	387
Rate	4.6	4.5	5.0	5.7	5.2	5.7	5.1	6.2
Automobile accidents (170)**	‡674	677	767	763	849	870	945	961
Rate	12.5	12.3	13.8	13.4	14.6	14.6	15.6	15.5
Other accidents (169, 171-195)	4,042	3,613	3,059	2,856	2,634	2,801	3,249	3,239
Rate	74.8	65.8	54.9	50.2	45.3	47.2	53.6	52.3
Puerperal diseases (140-150)	651	664	644	708	746	699	623	678
Rate per 10,000 total births	44	46	47	51	53	51	46	50
Rate per 10,000 live births	46	48	49	53	56	54	48	52

Note:—Numbers following disease names are numbers of International List, 1938 Revision.
#Rates for measles and whooping cough, per 100,000 under five years; rates for scarlet fever and diphtheria per 100,000 u
‡In 1917, horse drawn vehicles included. *Coding changed in 1935, giving greater weight to Cerebral Hemorrhage than to

opulation, Deaths and Crude Death Rates per 100,000 Population, City of New York, 1917 to 19

925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	193
3,000	6,451,000	6,579,000	6,707,000	6,835,000	6,944,000	6,996,000	7,048,000	7,101,000	7,153,000	7,206,000	7,258,000	7,311,
1,864	76,082	70,430	78,091	77,482	74,888	77,418	74,319	75,153	75,857	75,057	77,638	77,
1,137	1,179	1,071	1,164	1,134	1,078	1,107	1,054	1,058	1,060	1,042	1,069	1,
1,442	12,599	9,971	11,760	9,836	9,224	8,968	7,409	7,422	6,726	6,282	5,689	5,
2,073	2,308	1,820	2,158	1,818	1,721	1,689	1,436	1,490	1,404	1,363	1,269	1,
8,315	8,509	7,210	8,280	7,281	7,030	6,427	5,594	5,508	5,287	4,790	4,490	4,
65	68	56	66	59	57	56	51	53	52	48	46	
130	706	37	346	30	154	134	58	213	25	105	83	
21.8	119.3	6.3	58.7	5.1	26.4	23.2	10.2	38.9	4.7	20.7	16.9	
307	221	279	347	157	125	214	145	128	106	148	48	
51.5	37.3	47.3	58.8	26.8	21.4	37.0	25.6	23.4	20.1	29.1	9.8	
75	77	102	69	68	57	84	134	59	53	76	64	
4.5	4.6	6.1	4.1	4.0	3.4	5.0	7.9	3.5	3.1	4.5	3.8	
663	477	717	642	463	198	186	210	86	103	68	35	
39.8	28.5	42.7	38.1	27.4	11.7	11.0	12.4	5.1	6.1	4.0	2.1	
199	111	78	87	76	62	77	64	70	44	34	33	
3.1	1.7	1.2	1.3	1.1	0.9	1.1	0.9	1.0	0.6	0.5	0.5	
94	114	120	540	486	267	207	114	73	73	243	226	
1.5	1.8	1.8	8.1	7.1	3.8	3.0	1.6	1.0	1.0	3.4	3.1	
4,776	4,828	4,444	4,636	4,507	4,457	4,370	3,997	4,056	3,950	3,968	4,170	3,
75.5	74.8	67.6	69.1	65.9	64.2	62.5	56.7	57.1	55.2	55.1	57.5	5
699	680	696	690	653	632	552	543	521	470	403	415	
11.1	10.5	10.6	10.3	9.6	9.1	7.9	7.7	7.3	6.6	5.6	5.7	
665	1,157	630	899	1,202	483	956	785	718	373	295	293	
10.5	17.9	9.6	13.4	17.6	7.0	13.7	11.1	10.1	5.2	4.1	4.0	
8,397	10,521	7,523	10,019	9,456	8,058	9,245	7,827	7,686	6,755	6,385	6,549	6,
132.8	163.1	114.4	149.4	138.4	116.0	132.2	111.1	108.2	94.4	88.6	90.2	8
541	673	545	662	670	560	652	599	480	656	585	590	
8.6	10.4	8.3	9.9	9.8	8.1	9.3	8.5	6.8	9.2	8.1	8.1	
6,784	7,033	7,455	7,725	7,848	8,125	8,336	8,573	8,932	9,502	9,969	10,506	10,
107.3	109.0	113.3	115.2	114.8	117.0	119.2	121.7	125.8	132.8	138.3	144.8	14
1,313	1,485	1,461	1,663	1,726	1,784	1,921	2,116	2,141	2,266	2,255	2,571	2,
20.8	23.0	22.2	24.8	25.3	25.7	27.5	30.0	30.2	31.7	31.3	35.4	3
1,022	1,022	1,018	1,043	1,071	1,111	1,157	1,065	1,149	1,006	920	1,049	
16.2	15.8	15.5	15.6	15.7	16.0	16.5	15.1	16.2	14.1	12.8	14.5	
3,912	4,360	3,182	3,433	3,177	2,905	2,806	2,972	3,638	4,484	4,141	4,041	3,
61.9	67.6	48.4	51.2	46.5	41.8	40.1	42.2	51.2	62.7	57.5	55.7	5
9,453	20,463	20,178	22,152	23,283	22,999	23,487	23,524	23,541	25,696	22,282	24,093	24,
307.7	317.2	306.7	330.3	340.7	331.2	335.8	333.8	331.5	359.2	309.2	332.0	33
847	978	818	667	566	588	682	544	749	602	*3,233	3,130	3,
13.4	15.2	12.4	9.9	8.3	8.5	9.7	7.7	10.5	8.4	44.9	43.1	4
4,212	25,801	24,178	26,252	27,026	26,492	26,975	27,040	27,928	30,782	29,656	31,264	31,
382.9	400.0	367.5	391.4	395.4	381.5	385.6	383.7	393.3	430.3	411.5	430.8	43
935	904	1,073	1,182	1,255	1,403	1,500	1,595	1,343	1,239	1,170	1,116	1,
14.8	14.0	16.3	17.6	18.4	20.2	21.4	22.6	18.9	17.3	16.2	15.4	
337	340	366	402	425	494	586	580	541	458	447	380	
5.3	5.3	5.6	6.0	6.2	7.1	8.4	8.2	7.6	6.4	6.2	5.2	
1,022	1,069	1,095	1,075	1,344	1,290	1,298	1,179	1,137	1,145	1,078	932	
16.2	16.0	16.6	16.0	19.7	18.6	18.6	16.7	16.0	16.0	15.0	12.8	
3,765	3,674	3,509	3,589	3,518	3,578	3,336	3,091	3,101	3,316	3,179	3,296	3,
59.5	57.0	53.3	53.5	51.5	51.5	47.7	43.9	43.7	46.4	44.1	45.4	4
697	595	694	668	629	667	698	663	665	492	523	459	
52	45	51	50	48	52	58	58	61	46	50	44	
54	47	54	53	51	54	60	60	64	49	52	47	

fifteen years. †Includes nephritis, diseases of circulatory system, and cerebral hemorrhage (apoplexy).
erioscleroSis. **Exclusive of Motorcycle accidents not involving collisions with automobiles.

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	1938	1939	1940	1941	1942	1943	1944	1945	1946	
00	7,363,000	7,416,000	7,468,000	7,521,000	7,573,000	7,625,000	7,678,000	7,730,000	7,783,000	Population
65	73,775	75,439	76,008	74,553	75,674	83,174	78,783	79,726	78,481	Deaths
59	1,002	1,017	1,018	991	999	1,091	1,026	1,031	1,008	Rate
18	4,891	4,584	4,402	4,162	4,387	4,758	4,506	4,588	4,902	Deaths under 5
16	1,087	1,045	907	836	841	860	777	764	778	Rate
57	3,910	3,793	3,746	3,519	3,805	4,069	3,829	3,918	4,239	Infant deaths
44	38	37	35	31	29	30	31	30	28	Rate
28	42	1	3	25	1	19	22	3	23	Measles
.8	8.8	0.2	0.6	5.0	0.2	3.4	3.8	0.5	3.6	Rate#
49	105	38	49	45	58	43	33	35	12	Whooping cough
.2	22.0	7.9	10.1	9.0	11.1	7.8	5.7	5.8	1.9	Rate#
31	17	16	14	7	8	12	8	6	2	Scarlet fever
.9	1.1	1.0	0.9	0.5	0.6	0.9	0.5	0.4	0.1	Rate#
58	26	22	10	10	7	16	6	15	18	Diphtheria
.6	1.6	1.4	0.7	0.7	0.5	1.1	0.4	1.0	1.1	Rate#
26	26	22	12	14	5	5	15	11	8	Typhoid fevers
.4	0.4	0.3	0.2	0.2	0.1	0.1	0.2	0.1	0.1	Rate
01	53	36	17	42	84	246	199	102	59	Meningococcus men.
.4	0.7	0.5	0.2	0.6	1.1	3.2	2.6	1.3	0.8	Rate
31	3,481	3,494	3,323	3,372	3,228	3,343	3,250	3,211	2,997	Pulmonary tuberculosis
.8	47.3	47.1	44.5	44.8	42.6	43.8	42.3	41.5	38.5	Rate
33	352	320	304	343	274	317	284	302	248	Other tuberculosis
.6	4.8	4.3	4.1	4.6	3.6	4.2	3.7	3.9	3.2	Rate
58	162	200	128	119	68	170	112	73	65	Influenza
.4	2.2	2.7	1.7	1.6	0.9	2.2	1.5	0.9	0.8	Rate
04	4,737	4,234	3,410	3,383	2,957	3,862	3,470	3,053	2,936	Pneumonia
.0	64.3	57.1	45.7	45.0	39.0	50.6	45.2	39.5	37.7	Rate
71	498	523	498	499	457	573	537	395	439	Other respiratory
.8	6.8	7.1	6.7	6.6	6.0	7.5	7.0	5.1	5.6	Rate
14	11,160	11,597	12,310	12,069	12,993	13,198	13,609	13,978	14,067	Cancer
.5	151.6	156.4	164.8	160.5	171.6	173.1	177.2	180.8	180.7	Rate
69	2,650	2,938	3,106	3,064	3,088	3,262	3,130	3,112	3,051	Diabetes
.5	36.0	39.6	41.6	40.7	40.8	42.8	40.8	40.3	39.2	Rate
35	825	800	677	564	439	434	389	378	291	Appendicitis
.8	11.2	10.8	9.1	7.5	5.8	5.7	5.1	4.9	3.7	Rate
47	3,589	3,353	3,545	3,242	3,042	3,393	2,909	2,819	2,686	Nephritis
.6	48.7	45.2	47.5	43.1	40.2	44.5	37.9	36.5	34.5	Rate
56	25,227	26,672	27,809	28,052	29,091	33,528	31,607	32,152	31,642	Circulatory system
.6	342.6	359.7	372.4	373.0	384.1	439.7	411.7	415.9	406.6	Rate
25	2,746	2,800	2,700	2,675	2,726	2,857	2,757	2,703	2,774	Cerebral hemorrhage
.4	37.3	37.8	36.2	35.6	36.0	37.5	35.9	37.6	35.6	Rate
28	31,562	32,825	34,054	33,969	34,859	39,778	37,273	37,874	37,102	Total degenerative†
.6	428.7	442.7	456.0	451.7	460.3	521.7	485.5	490.0	476.7	Rate
40	1,246	1,190	1,263	1,039	1,013	860	737	888	956	Suicides
.6	16.9	16.0	16.9	13.8	13.4	11.3	9.6	11.5	12.3	Rate
73	309	303	290	286	267	225	228	317	374	Homicides
.1	4.2	4.1	3.9	3.8	3.5	3.0	3.0	4.1	4.8	Rate
33	908	880	896	858	823	723	583	651	692	Automobile accidents**
.4	12.3	11.9	12.0	11.4	10.9	9.5	7.6	8.4	8.9	Rate
03	2,924	3,123	2,989	2,881	2,955	3,246	3,029	3,344	3,260	Other accidents
.8	39.7	42.1	40.0	38.3	39.0	42.6	39.5	43.3	41.9	Rate
08	357	320	315	250	306	292	222	205	179	Puerperal diseases
38	33	29	27	20	22	20	17	15	11	Rate—Total Births
40	35	31	29	22	23	22	18	16	12	Rate—Live Births